



# FIONA OCHS

## FULL-STACK SOFTWARE ENGINEER



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[Portfolio site](#)

### TECH STACK

#### Languages

Javascript  
HTML  
CSS

#### Testing

Jest  
QUnit  
Supertest

#### Front-End

React  
Redux

#### Back-End

Node.js  
Express

#### Databases

PostgreSQL  
MongoDB

#### Tools

Mongoose  
Heroku  
Netlify

#### Other

Agile  
Rest APIs  
TDD

Github  
Visual Studio  
Jira  
Asana  
Material UI

## WORK

### GABBI

[Live site](#)

SOFTWARE ENGINEER | 2020 - PRESENT

Digital health platform for women.

- TDD for back end routes and models in **Node**
- Connect to **MongoDB**
- Integrate data with **React** front end

### PHYSICAL THERAPY CLINIC

PHYSICAL THERAPY AIDE | 2017 - 2019

Worked with a team of healthcare providers and facilitated clients through their recovery from surgeries and injuries.

## PROJECTS

### ALCHIMIA

[Github](#)

[Live site](#)

Tile based board game crafted in Javascript.

- Developed front end in vanilla **Javascript**, **HTML**, and **CSS**
- Implemented correct tile validation with array manipulation
- Developed an instructional modal, to display over board

### SHADESPEARE, BARD OF INSULTS

[Github](#)

[Live site](#)

Markov generated insult bot.

- Built back end routes and models using **Node** and **Express**
- Connected to **MongoDB**
- Developed Zoom bot with **Twilio** for text to speech
- Integrated data with **React** front end

### GROUPIES

[Github](#)

[Live site](#)

Social media app for connecting to concerts and sharing with friends.

- Designed **UI** with **React**
- Developed back end routes and stored data in **SQL**

### PANDEMIC LEGACY

Interactive data visualizations comparing quarantine metrics with Covid-19 case numbers.

- Built back end routes with **Node**, and **Express**
- Stored data in **MongoDB**
- Used TDD with **Supertest** and **Jest** for back end
- Worked with **D3** for creating dynamic charts

## EDUCATION

### ALCHEMY CODE LAB | 2020

Software Engineering professional training for building full-stack web applications individually and with teams.

### B.S. NEUROBIOLOGY, PHYSIOLOGY AND BEHAVIOR SCIENCE

UNIVERSITY OF CALIFORNIA DAVIS | 2018